

## CLAIMS

1. A suspension stop for a motor vehicle wheel, characterised in that it comprises a device for measuring the forces applied to the vehicle wheel, the said device comprising at least one deformation sensor (12) which is associated with the fixed member (1, 6) of the said stop so as to measure the deformations of the said member which are caused by the said forces applied, and a calculation means able, from these deformations, to calculate the corresponding forces applied.
2. A stop according to Claim 1, characterised in that the device is arranged so as to measure the vertical forces applied to the vehicle wheel.
- 15 3. A stop according to Claim 1 or 2, characterised in that it comprises a roller bearing provided with a fixed top race (1) intended to be secured to the vehicle chassis (2), a rotating bottom race (3) intended to be fixed to the suspension spring (4), and rolling bodies (5) disposed between the said races.
- 20 4. A stop according to Claim 3, characterised in that it comprises a top cup (6) associated with the top race (1) and intended to be associated with the chassis (2), and a bottom cup (7) associated with the bottom race (3).
- 25 5. A stop according to Claim 4, characterised in that the deformation sensor or sensors (12) are associated with the top cup (6).
- 30 6. A stop according to Claim 3 or 4, characterised in that the deformation sensor or sensors (12) are associated with the top race (1).

7. A stop according to any one of Claims 4 to 6, characterised in that the bottom (7) and top (6) cups comprise extensions (7d, 6f) which cooperate so as to form a static sealing means.
- 5 8. A stop according to any one of Claims 1 to 7, characterised in that the deformation sensor or sensors (12) are chosen from amongst the sensors comprising strain gauges based on piezoresistive elements, surface acoustic wave sensors and magnetic field sensors.